Fate Report for Case # L-13-0727

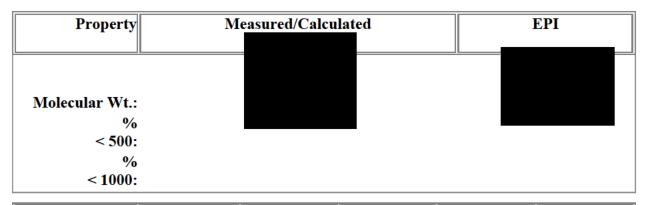
Fate Summary Statemen

Summary Statement Fate L-13-0727 **Summary Statement:** FATE: $\log Kow = -0.90 (E)$ > 10 g/L at 25 C (E) VP = 4.4E-2 torr at 25 C (E)BP = 209 C(E) H = 1.15E-6 (E) $\log Koc = 0.97 (E)$ $\log Fish BCF = 0.50 (E)$ $\log Fish BAF = -0.05 (E)$ POTW removal (%) = 0-25Time for complete ultimate aerobic biodeg = wk Sorption to soils/sediments = low Volatilization half-life from a standard river = 570 hrsVolatilization half-life from a standard lake = 260 da Atmospheric Oxidation Half-life = 120 hr via OH radical PBT Potential: P2B1 *CEB FATE: Migration to ground water = rapid

CBI:
Fate
Assessor:
SMILES:

Physical Properties

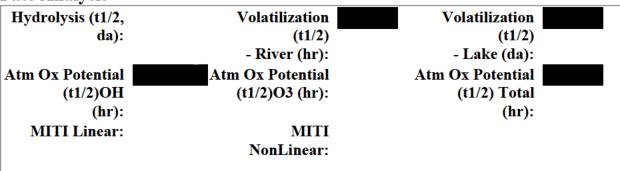
Property	Measured/Calculated Value	EPI
Molecular Form:		



Property	Measured Value	Method	Estimated Value	Method	EPI
Melting		Exp.			
Point:					
Boiling			209	EPI	209.15
Point:					
BP			@760		@760
Pressure:					
Vapor			0.04	EPI	4.41e-002
Pressure:					
Water			382	EPI	
Solubility:					
Log P:			-0.90		
Log					-0.90
Kow:					
Log Koc:					0.97
Log BCF:					3.1600
Henry's					1.15e-006
Law:					

pH:	
pH	
Comment:	

Fate Analysis



Biodeg Linear:

Biodeg Survey

Biodeg Survey

ult:

STP (% removal) 1.9100

Total:

STP (% removal) 1.7500

Ads:

Biodeg Survey

Biodeg Survey

Biodeg Survey

O.0900

STP (% removal) 0.0900

Biodeg:

STP (% removal) 0.0700

Ads:

Air:

Rationales

Removal in Wastewater **Treatment:** Atmospheric Oxidation: **Hydrolysis: Photolysis:** Aerobic **Biodegradation:** Anaerobic **Biodegradation:** Sorption to Soil and **Sediment:** Migration to Groundwater: Persistence - Air: **Persistence** - Water: Volatilization from Water: Soil: **Sediment:** Other: Standard: **Bioaccumulation:**

PBT Ratings

Persistence	Bioaccumulation	Toxicity	PBT Comments
2	1	Awaiting Human Health Entry Awaiting Human Health Entry Awaiting Human Health Entry	

Persistence	Bioaccumulation	Toxicity	PBT
			Comments
		Awaiting Human Health Entry	
		Awaiting Human Health Entry	

Exposure-Based Testing

Exposure-Based	
Testing:	

Fate Ratings Removal in WWT/POTW (Overall):

Removal in 0-25 WWT/POTW

(Overall):

Condition	Rating	Rating Description				Comment
	Values	1	2	3	4	
WWT/POTW	1	Low	Moderate	Strong	V. Strong	
Sorption:						
WWT/POTW	3-4	Extensive	Moderate	Low	Negligible	
Stripping:						
Biodegradation		Unknown	High	Moderate	Negligible	
Removal:						
Biodegradation		Unknown	Complete	Partial		
Destruction:			*** 1	3.5		
Aerobic	2	<=	Weeks	Months	>	
Biodeg Ult:		Days			Months	
Aerobic Biodeg	1-2	<=	Weeks	Months	>	
Prim:		Days			Months	
Anaerobic	2-3	<=	Weeks	Months	>	
Biodeg		Days			Months	
Ult:		_				
Anaerobic		<= Days	Weeks	Months	>	
Biodeg					Months	
Prim:			**	ъ.		
Hydrolysis (t1/2		<= M:t	Hours	Days	>= M 41	
at pH		Minutes			Months	
7,25C) A:			Hours	Days		

Condition	Rating		Rating Description			
	Values	1	2	3	4	
Hydrolysis (t1/2		<=			>=	
at pH		Minutes			Months	
7,25C) B:						
Sorption to	4	V.	Strong	Moderate	Low	
Soils/Sediments:		Strong				
Migration to	4	Negligible	Slow	Moderate	Rapid	
Ground Water:						
Photolysis A,		Negligible	Slow	Moderate	Rapid	
Direct:						
Photolysis B,		Negligible	Slow	Moderate	Rapid	
Indirect:						
Atmospheric Ox		Negligible	Slow	Moderate	Rapid	
A, OH:						
Atmospheric Ox		Negligible	Slow	Moderate	Rapid	
В, О3:						

Bio

Comments:

Bio Fish log BAF = Comments: -0.05.

Fate Comments:

Fate Comments:

Comments/Telephone Log

Artifact	Update/Upload	
	Time	